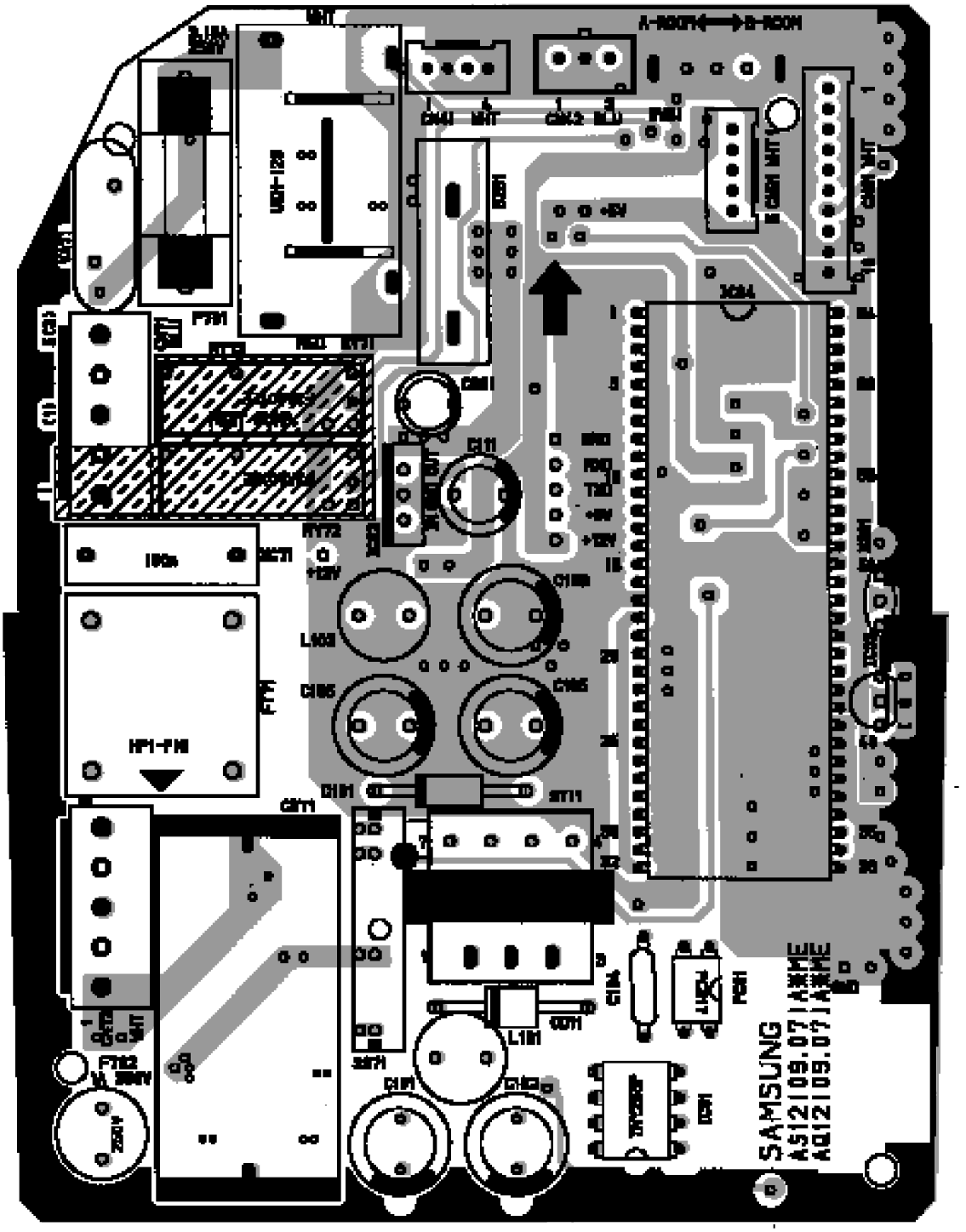
8. PCB Diagrams

8-1 ASS'Y MAIN PCB;DB93-00267A

■ TOP PATTERN

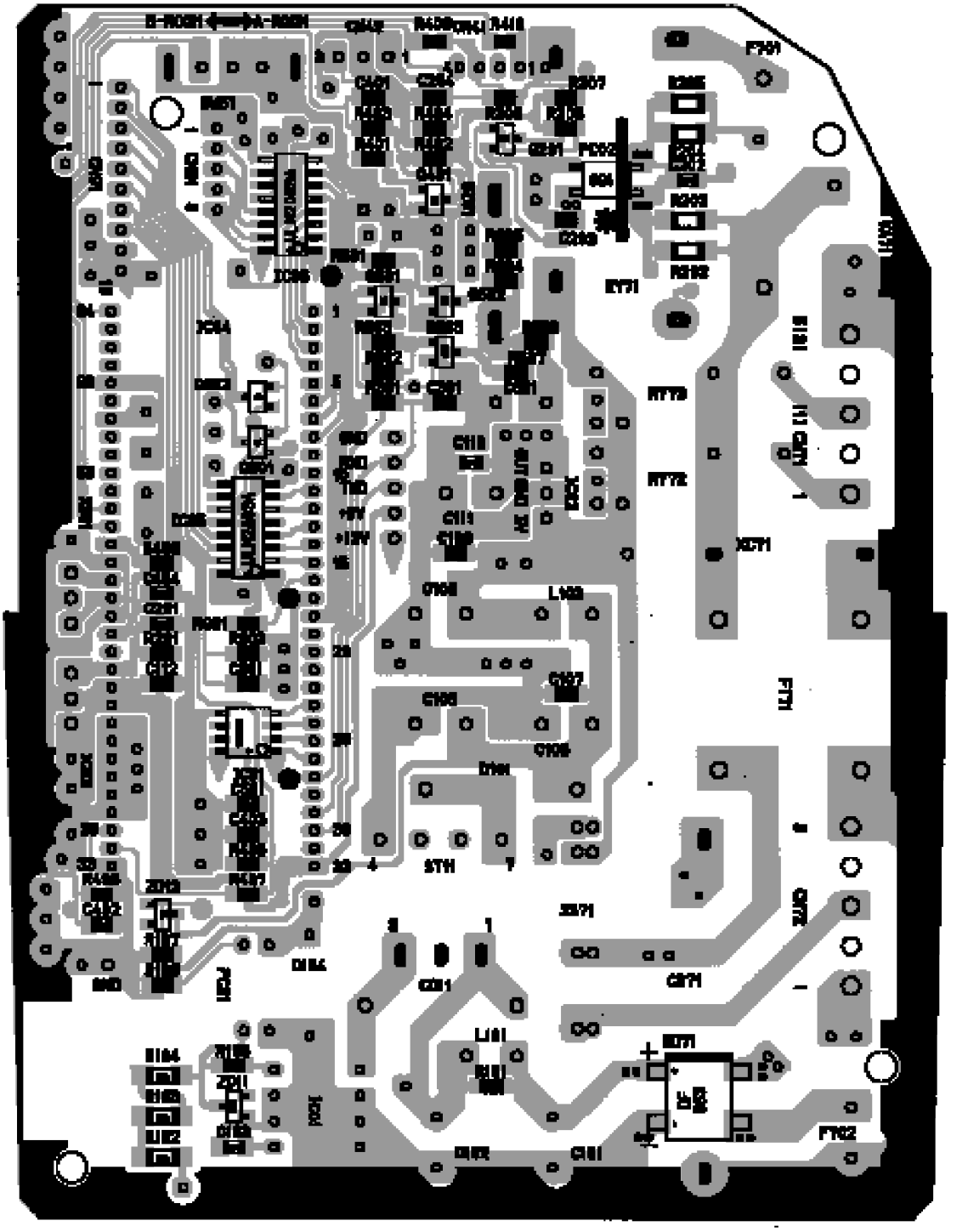


■ Parts List

No	Description	LOCATION NO.	Specification
1	PCB		120 x 93
2	IC-MCU	IC04	UPD780024CW
3	SSR	SSS71	G3MB202PL
4	IC VOLT REGULATOR	IC02	KA7805A
5	IC-RESET	IC03	KA7533Z
6	PHOTO-COUPLER	PC01	PC817
7	FR0DIODE	D101	UG2B
8	R.V.S	CD11	ST02D-200
9	VARISTOR	VA71	INR14D471K-BS
10	RESONATOR	X301	4MHz
11	SW TRANS	ST11	V2(JT1916-1701P)
12	FILTER NOISE	FT71	HP1-P10
13	COIL	L101	5mH, 50mA
14	COIL	L102	4.7uH 0.5A
15	RELAY MINIATURE	RY72, RY73	FTR-F3AA012E
16	RELAY POWER	RY71	UKH-12S
17	BUZZER	BZ61	CBE2220BA
18	HOLDER FUSE	F701	FB58(FH-51H)
19	FUSE	F701	250V, 3.15A
20	FUSE	F702	250V, 1A
21	CONNECTOR HEADER	CN71	YW396-05AV BLU
22	CONNECTOR HEADER	CN72	YW396-03AV WHT
23	CONNECTOR HEADER	CN91	SMW200-10P WHT
24	CONNECTOR HEADER	CN61	SMW200-05P WHT
25	CONNECTOR HEADER	CN42	SMW250-03P BLUE
26	CONNECTOR HEADER	CN41	SMW200-4P WHT
27	C-FILM	CR71	1.2µF 450V
28	C-AL	C105, C106, C108	SD 470µF 25V
29	C-AL	C601	47µF 50V
30	C-AL	C111	470V 16V
31	C-ELEC	C101, C102	SD 6.8V 450V
32	C-CERAMIC	C104	SDE2G222M12BL1
33	C-FILM	XC71	100NK 275Vx 2
34	TR SWITCH	IC01	TNY 255P

8-2 ASS'Y MAIN PCB;DB93-00267A

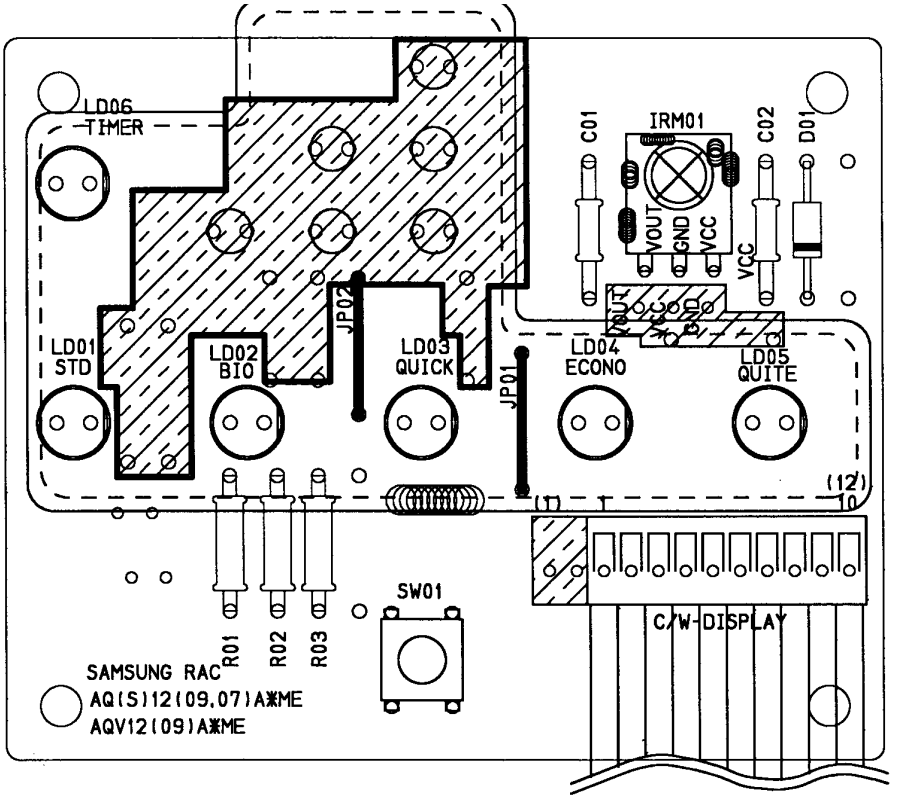
■ BOTTOM PATTERN



■ Parts List

No	Description	LOCATION NO.	Specification
1	TR SMALL SIGNAL	Q603	MMST29074A
2	TR SMALL SIGNAL	Q201,Q401,1602	2SC2412K
3	TR DIGITAL	Q901,Q902	DTA114EKA
4	TR DIGITAL	Q601	DTC114EKA
5	IC DRIVE	IC05,ICO6	ULN2003AFW
6	C-CHIP	C103,C107,C109,C110, C112,C201,C202,C301, C402,C403,C501,C901	CS2012Y54104Z500
7	C-CHIP	C203,C204,C401	CS2012Y5V103Z500
8	C-CHIP	C404	CS2012X7R102K500
9	R-CHIP	R102,R103,R104	R3216 220kΩ ± 5
10	R-CHIP	R402	R2012 6.8kΩ ± 5
11	R-CHIP	R202,R203,R204,R205	R3216 100kΩ ± 5
12	R-CHIP	R405,R407,R409	R2012 330kΩ ± 5
13	R-CHIP	R101,R901,R603	R2012 4.7kΩ ± 5
14	R-CHIP	R107,R106	R2012 220kΩ ± 5
15	R-CHIP	R105,R604,R605	R2012 470kΩ ± 5
16	R-CHIP	R206,R601,R602,R902	R2012 10kΩ ± 5
17	R-CHIP	R404,R406	R2012 6.8kΩ ± 5
18	R-CHIP	R201,R207,R208, R301, R401, R403, R408, R607	R2012 1kΩ ± 5
19	R-CHIP	R410	R2012 0 ± 5
20	R-CHIP	R606	R2012 560Ω ± 5
21	DIODE DRIDGE	RD71	DF06S
22	PHOTO COUPLER	PC02	TLP180(GB-TPL)
23	ZENER DIODE	ZD12	BZX84-C11
24	ZENER DIODE	ZD11	BZX84-C3V6
25	EEPROM	IC51	93LC56B-I/SN

8-3 ASS'Y MAIN PCB;DB93-00267A



■ Parts List

No	Description	LOCATION NO.	Specification	Q'TY	Remark
1	PCB-DISPLAY		64.5x53	1	
2	LED-LAMP	LD01,LD02,LD03,LD04,LD05	SO5511	5	
3	LED-LAMP	LD06	SY5511	1	
4	MODULE REMOCON	IRM01	PNA4612MOOHB	1	
5	DIODE SWITCHING	D01	IN4148	1	
6	R-CARBON	R01,R02,R03	470 1/2W 5%	3	
7	CONNECTOR WIRE	C/W-DISPLAY	SMAW200-10P	1	
8	TACT SWITCH	SW01	KPT-1105A	1	
9	C-CERAMIC	C02	104Z	1	
10	C-CERAMIC	C01	102K	1	
11	JUMP	JP-1,JP02	10mm	2	
12	COVER DISPLAY UP		ABS(V2)	1	